

PATENT

Attorney Docket No. ASMMC.043AUS

Date: February 10, 2004

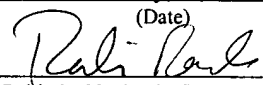
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sven Lindfors  
Application No. : 10/615,332  
Filed : July 8, 2003  
For : METHOD AND APPARATUS  
FOR THE PULSE-WISE  
SUPPLY OF A VAPORIZED  
LIQUID REACTANT  
Group Art Unit : 1763  
Examiner : Unknown

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

February 10, 2004

(Date)

  
Rabinder N. Narula, Reg. No. 53,371

TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) A Power of Attorney by Assignee with copy of Assignment
- (X) Please charge our Deposit Account No. 11-1410 for any additional fees which may be required, now or in the future, or credit our account for any overpayment.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 2-10-04

By: 

Rabinder N. Narula  
Registration No. 53,371  
Attorney of Record  
Customer No. 20,995  
(949) 760-0404

ASMMC.043A



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sven Lindfors )  
App. No. : 10/615,332 )  
Filed : July 8, 2003 )  
For : METHOD AND APPARATUS FOR )  
THE PULSE-WISE SUPPLY OF A )  
VAPORIZED LIQUID REACTANT )  
Examiner : Unknown )

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 2040 Main Street, Fourteenth Floor, Irvine, California 92614, Telephone (949) 760-0404, **Customer**

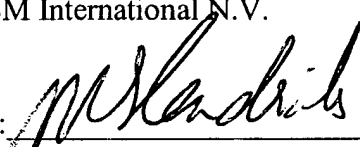
**App. No.** : Central IP Counsel  
**Filed** : Jan van Eycklaan 10, Bilthoven, 3723 BC, The Netherlands

**No. 20,995**, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

Dated: 12 dec. 2003

ASM International N.V.

By:   
Menso Hendriks

Title: Central IP Counsel

Address: Jan van Eycklaan 10,  
Bilthoven, 3723 BC, The Netherlands

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110503

Application No.: 10/615,332  
Filing Date: July 8, 2003

PATENT  
Client Code: ASMMC.043AUS  
Page 1

# ASSIGNMENT

COPY

WHEREAS,, the undersigned, hereinafter referred to as Assignor, have invented certain new and useful improvements in a METHOD AND APPARATUS FOR THE PULSE-WISE SUPPLY OF A VAPORIZED LIQUID REACTANT for which I have executed an application for Letters Patent in the United States, 10/615,332 filed on July 8, 2003;

AND WHEREAS, ASM International N.V. (hereinafter "ASSIGNEE"), a Dutch Corporation, with its principal place of business at Jan van Eycklaan 10, Bilthoven, 3723 BC, The Netherlands, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, his successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, his successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, his successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, his successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

*S. Lindfors*

Sven Lindfors

2.12.2003

Residence: Nuottamiehentie 8, FIN-02230, Espoo, Finland

Citizenship: Finnish

Witness: \_\_\_\_\_

Date: \_\_\_\_\_

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110503

This is to certify the own hand signature/signatures  
of MR. SVEN LINDFORS  
Espoo

2.12.2003

Ex officio:  
Fes FIM:

*Pirjo Halonen*

Pirjo Halonen  
Notary

